

**FOR IMMEDIATE RELEASE:**

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**CUMMINS FIRST HEAVY-DUTY PROPANE ENGINE RECEIVES  
1999 EPA CFFV LEV CERTIFICATION**

COLUMBUS, Ind. (Nov. ??, 1997) - Cummins Engine Co., Inc. today announced that the B5.9LPG is the first dedicated heavy-duty propane gas (LPG) engine to receive certification to the 1999 Environmental Protection Agency (EPA) Clean Fuel Fleet Vehicle (CFFV) Low Emissions Vehicle (LEV) standard. This spark-ignited powerplant features advanced electronic engine management, closed-loop air/fuel ratio control, lean-burn technology and integrated sub-systems. The technology and sub-systems are common with the current B5.9G, C8.3G and L10G natural gas engines.

"The B5.9LPG is the first heavy-duty six-liter propane engine to receive emissions certification from EPA and California Air Resources Board (CARB) at levels significantly lower than both agencies' 1998 on-highway heavy-duty truck and bus emissions standards," said Dave O'Brien, market manager - bus and light commercial automotive. "The B5.9LPG is certified to the heavy-duty EPA CFFV LEV and CARB Optional Low NOx (2.5 g/bhp-hr) standards."

The B5.9LPG is the first dedicated heavy-duty propane engine available for bus and truck markets. This offering is rated at 195-horsepower and 420 ft-lb torque peak. This engine's lean-burn technology provides thermal efficiency significantly higher than propane stoichiometric gasoline engine conversions. Production commenced in September at the Rocky Mount, N.C. manufacturing plant where the B5.9 and C8.3 diesel and natural gas engines are also built.

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"Like the B5.9G natural gas engine, the propane version is based on the heavy-duty B5.9 diesel platform for higher durability and lower costs. The proven Cummins B5.9G engine has been in production since 1994 and is available from over 30 vehicle manufacturers," said Mostafa Kamel, director - Cummins alternative fuel product development. "A few critical parts from the B5.9G required optimization for engine operation with HD-5 LPG vehicle fuel."

Experience since 1991 with spark-ignition, lean-burn engines for bus and truck fleets has allowed Cummins to respond quickly to customer needs. Today, Cummins alternative fuel engines power over 2,400 vehicles in various fleet applications operating with over 150 million miles in revenue service.

"The propane industry has long sought a dedicated heavy-duty engine such as the Cummins B5.9LPG and we are excited about its market potential," said Bob Myers of the Propane Vehicle Council. "Fleet operators within the propane industry as well as private and public commercial fleets will find this state-of-the-art engine just what they have been looking for. With Cummins' reputation and support, the B5.9LPG demonstrates to fleet operators that alternative fuels can and do work. This engine's superior performance, fuel economy, and durability, with low emission certifications, meets the critical fleet operating requirements."

Cummins acknowledges the support from various industry stakeholders including National Renewable Energy Laboratory / Department of Energy, Natural Resources Canada, Propane Vehicle Council, Propane Gas Association of Canada, South Coast Air Quality Management District and Superior Propane Inc.

Headquartered in Columbus, Ind., Cummins Engine Co. designs, manufactures and markets the world's broadest range of diesel and alternative fuel engines, components and power systems for trucks, buses, power generation and industrial applications.

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